Criticism of Carrying Too Many Guns Wade

BRITISH OFFICERS

Events are Making Criticism Look True

Boston, May 19 .- It is an old complaint against American men-of-war that they are overloaded with more guns and heavier guns than they ought to earry. This was the criticism launched by British officers against the wooden frigate Constitution in the years before the war of 1812. Now it is heard again against the steel ships of our battle line, and the recent development of some weakness in the gun deck of the Maine is eagerly halled as proof that this criticism is a just one-that the hulls of our warships are not strong enough for the weight and stress which they must bear.

As a matter of fact, such michaps as that to the Maine are extremely rare in the United States mayal service-more ture, perhaps, in that service than in any other in the world. The fleet which boasts the Oregon has not been plagued by weaklings.

Since the buttle of Santiago a wonderful advance has been wrought in the power of American naval guns. Take the 12inch 45-ton rifle, for imstance. Five years ago this weapon, with the powder then in use, sent its prijectile rushing out of the grim muzzle It a velocity equal to 2.100 feet a second, and with a muzzle energy and equal to 25,000 foot tons-that is, the energy developed by dropping 36,-600 toms one foot. But the improved 13inch rifle, like that with which our latest buttlerhips are armed, gives its prejectile a velocity of 2.800 foot seconds at the muzmle of the gun, and develops the enormous muzzle energy of 46,000. This new sempon is longer and heavier. Instead of 45, it

weights 22 tons. Of course this increased weight and power mean an increased strain upon the steel bull that must bear such titanic The "stress" due to a ship's battere is now about one-quarter greater than it was in the Spanish war. But, on the other hand, of course, these newly armed ships can work just so much more

What is true of the great 12-inch riftle is true of the smaller but efficient six-inch gun, which make-up the broad-dde buttery of the latest battlessips which we A six-inch rifle, 186 weighed about five tons. new weighs eight tons. Such a weapon was then about is feet in length. It is 160-pound projectile of a six-inch rifle in 1884 was equal to 2,000 feet a second, and its muzzle energy to 2,700 foot tons. The muzzle velocity of the new six-inch rifle, like that carried by the Maine and to be carried by the New Jersey and Rhode Island, now building at Fore River here in Boston Harbor, is no less than 2,500 feet a second, and its muzzle energy no less than 5,800 foot tons.

This immensely enlarged power is due to smokelers powder of a new composition and of greater strength. Of course, the naval designers and the shipbuilders of the country know that they are dealland and New Jersey will carry arms-Maine-in-latd, the very heaviest armaments ever launched upon the ocean. and is six-inch in broadside. The New Jermy and Rhode Island will have the four El-inch and 12 of the six-inch rifles of the carifer ship, and then in place of the other four six-inch rifles of the Maine, they will have eight eight-meh gans-of course very much more weights and more The projectile of a six-inch rifle weight led pounds, the projectile of an eight mile ride 25. Four of these eight tuch times in such of the new ships will be contained in the nevel superim posed turnets maunted on the two main

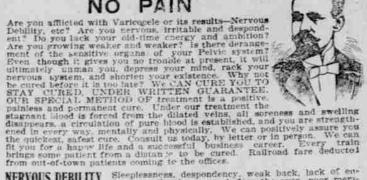
In view of the difficulty with the Maine, fects, or weakness must appear after such It may be interesting to note the extras secontless which Chele Sam takes in his newest ships to see that his mighty guns are a curely fastened to the that must bear them. Battleships like the Rhode Island and New Jersey are practically us well as theoretically masting forts and must furnish stable and protective deck, a "turtleback" of nickel the fort, but also as the subfoundation for the gun mounts. The novel supertwelve-inch and two cight-inch sifles, rise from the main deck but turn upon a cylindrical steel foundation which rests upon the protective deck. From the protective deck also rise the barnettes, cylinturning gear and ammunition hoists. The amidships burbettes for the eight-inch rifles are sestained by bulkheads which rest upon the protective deck. But the most mussive framework of the whole ship is really that which upholds and protects the huse eight an twelve-luch

rifles in their circling furrets. So also with the broardside guns of the upon the gun deck, sheltered behind arnor six inches thick. The deck beneath them, to which the gun mounts are attached is powerfully strengthened. This deck is of steel plate to bouth with. Undemeath at a distance of several inches is fastened an extra plate. The interval Ing and the layer below it-is filled in wolfdly with hard wood and bolted through again and again, making an ex- did traordinary heavy cushion. Then this thick deck beneate the broadside guns is steel posts by steel brackets. Some of these steel stanchions which the the gun foundation to the protective deck are

ave and one-half inches in diameter. This brief description is sufficient to to fall neither in target practice per in the | other debts. steps to see that adequate strength is pro- | Brown loved was forced by her mother than just to go home?

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is exposed when a modern gun "goes off"

higher-power rifles. But even then the shock transmitted to the deck on which Something more is required to meet this shock than mere massiveness of construction. The materials that are to be worked into these battleships must be of flawless quality. Here again the government insists upon precautions that seem are stationed at the works where the steel plates, beams, and so forth are produced and all this steel is subjected to both chemical and mochanical tests of great severity. Indeed, so important is this inspection regarded that the navy department issues a book of general instructions and these inspections cover over twenty printed pages. Each object made from accepted material must be marked with four separate stamps—first, the stamp of manufacturer, third, the identification number, and fourth, the regulation govand a piece of steel eight inches long must the Brown household. stand an elongation of is per cent at rupmade must be capable of bending over flat opens the door of heaven. on themselves without showing any cracks or flaws on the outer surface. tracks, and so on, weighing more than 1,500 pounds, must be raised to a height fall freely upon a concrete or macadamiz- never recant. ed road surface, while castings weighing

Every lot of steel which is being worked at Fore River into the Rhode Island and New Jersey-these chips are good examples because of their class they are furthest along-have had to pass this rigid thorough-going nave department. H. in spite of these precautions, a little defect ered rifles are fired at on unwanted elevarion, it would perhaps not be surprising. But the development of even such small defects in our navy has been the exception and not the rule, and it is quite which grow severer and more exacting year by year the new steel battle line of chance which has made it the envy of

must be let full from a height of not less

than twelve feet. After the material has

be suspended in chains "and hammered

all over with a heavy sledge hammer."

almost transcaffy. "No cracks, flaws de-

LIFE OF JONN BROWN

Hubbard wrote, in 1889, a book he calls restless and miserable

in it in certain places. Every Kansan, every American should read all the John per's Ferry was planned and carried out. Brown books-should know him. With It failed to direct success by its treachery all the noble men of time he has a place. of ignorance. Brown had hoped to cap-When you hear some one call John ture all the citizen prisoners he cou Brown "crazy" tell him that if he was, escape to the mountains, tad then free then "craziness" is mighty the and more the citizens in exchange for free slaves. men ought to cultivate it in order to He hoped to gain the attention of Ameriserve as great a purpose as John Brown on by this action. The price he paid and

more of others than he did of himself. tanner and farme, in order to work for slave owners were criminals and that he few minutes, with his four friends sitting the freedom of slaves. His friends, most fought them with crime for the cause of taround him, and then he got up lame of them, belittled him, opposed him and freedom show the care that is being taken at Fore finally aided in his financial ruin. In his And when they led the Old Kansus River to have the guns of the Rhode days of prosperity he had gone security. Hero to the death gallows, he said. "I heels down the sawdost floor, trying to Island and New Jersey give a good ac- for a friend. He gave up his farm and am ready. tannery to pay that obligation and all Oh, grave where is thy victory, where

In his early days John Brown fell in John Brown, a God-like man, was going

guns, and it is worthy of note that the would not do-he was too poor. But the cruised Des Moines, now being completed; girl wife loved him and offered to desert in the same yard, accurately meets these her husband for him. Brown would not latest requirements. Naval designers and let her do that. Years after Brown learnshipbuilders realize now perfectly well ed from her husband's slave that at first that the shock to which a ship's structure | the "missus was mis ble, but when she learned how to manage her husband she made him mis ble.

Brown needed a wife. He married a good girl who helped him and gave him There are ingenious devices to "take a fine bunch of sons and daughters. After she died he married another good woman who bore him more children. His two wives had 20 children in all, and they stood by him in his warfare for freedom. It was the kind of a family President

The wives of John Brown were plain. all the w ork of the home, enduring, denying, encouraging, ministering. They weren't romantic or emotional or sentimental like Brown's first love. Possibly didn't miss much on that account. They seen the meeting, I thought the old lady probably lacked the club culture, don't would go daffy. For the first time in two the inspector, second, the stamp of the folks had to be encouraged when dis-

bears all these four. Eve nafter the sizel by a surgeon-they had no physician to In such lives the lack of so-called social

ture. Steel rods from which rivets are advantages must be the sesame which

Because John Brown said slavery was wrong he was tried by the church, found Costings for stams, stern, posts turret guilty of no one knows what, and was turned out. The church offered to keep him in if he would recant; but like Marof at least ten feet and be allowed to tin Luther, John Brown said: "I will "Slavery is inhuman and from this

less than 1,500 and more than 1,000 pounds. hour I'll devote my life to ending it." But, oh, the stony paths and long, weary way to the final victory of death. passed this rough-and-ready test, it must

The church people said Brown was bad. Yes. Whatever the church people and the mavy book of instruction adds, say is so until proven false. Everybody, christian or pagan, rather her duty ends.

likes to see a successful man unde

But John Brown could not be crushed. who reads his story. Emerson heard him speak and wrote

or him: "I deem Brown, of Kansas, the manifest man I ever saw. His sorrows, his patience, his courage, his virtues, were so splendid that they

can come to a man than this." And comfortable.

Then the little lion got up and limped tribe bothers her pet, the treabling mon-

His iron will-his fearless defense-Time and Chance." The title is a poor planted freedom in Kansas— in America, cub tiger howled dismulty, us if pleading Rhode Island and New Jersey. They are one—the motive is bad. The hero is John He was always ready for a fight or for lighter weapons, it is true—ist-bounders of six-inch calibre. These gams stand are better, nobler books about John government of the United States—his many family.

"Another time, while this happy family government of the United States—his many family."

> The attack on the U. S. arsenal at Harfully expected to pay was his life; but as John Brown was unselfish. He thought a Kansus man, Eugene Ware, has It. in losing, he won."

Cat-Like Animals Fond of Their Young

KINDNESS WINS

May Kill Young but If So Is Crazy

people paint them," said the old circus nan the other evening, as he refilled his pipe. "It is very seidom they hurt any-body who is kind to them," he added, and the idea that they do not care for

their young is all fol-de-rol. "Once in a long white a lioness will kill her young, but nine times out of ten, if you are in the way of knowing, you will find the old dame is about half crazy, and is just as opt to hurt herself if not sharply watched. The tiger is a high-strung nimal and when her young are about her she is hard to handle and apt to go mad, if there is much noise or excitement around her den. She is a good mother, though, and licks and scrubs and hugs her little ones with the keenest satisfac tion. The youngsters shift for themselves early, and will romp and play like a pedi-

"I used to let the cubs out in an exercising pen, where they would frisk and terriors. So long as the youngsters are should fall to see or hear them, she makes a terrific uproar, and I believe would knock her brains out against the bars if not relieved.

draws near the tigress wants her offspring at home and tucked close by her. I once cared for a fine-looking tigress called Beauty, and she was touchingly thing drooped like a wet rag. She usually and none of them like it at first, held her head high, and her neck was the shapeliest I ever saw.

hard-working sensible women, who did away her face became the pleture of sor- very much excited and wore the skin off row and her whole manner was listless and hopeless. Her sparkling eyes became hung like that of a wooden hobby-horse. they didn't belong to reading clubs, art I finally made the men bring the little one clubs or the Federated clubs. And they back to its mother, I wish you could have you know but in the larger and grander weeks she jumped around as if she had the four two days after the elephants were they did His work without shirking, an electric battery under her, and she quartered in Chicago the little one could without excuse. Their days were taken up with babies, sewing, cooking, caring for the sick—no trained nurses then and whose eyes had not opened yet. For but the keeper get near it.

and snarled fiercely, as much as to say

has been inspected and approved it may sympathize with them at so much a visat, be rejected at the building or the mayy. They had no pastor to worship and no not so showy about it. Lion cubs are gentured by the source of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat, but she is not so showy about it. Lion cubs are gentured and interest of the many sympathize with them at so much a visat.

if they are taken away from her at this noothing companions. time she is apt to lose faith in her keeper are weamed and get big enough to be size. mother. She probably reasons that she like a parent bird. The kangaroo is

"It is a strange sight to see a playful mother heart like water does snow utmost good nature, and until they are family there is a great time. His granite strength towers over the one pretty well grown and their savage traits one hangs on to its mother like sticking separable friends. I have seen them play family hand over to the lucky mother the "follow the leader." and once I saw a choicest bits of vegetables they get in

must cause even the cascal reader to cry the Bon cub got quite well up and then mather round the mother and its babies with the woman who deserted him for fell on the sharp edge of a barrel. It tore and bug as tightly as they can get to keep sliver, "Oh, my brave John Brown." his leg and he bied quite a little. The In losing her he won his first victoryr tigress cub and the fox terrior both lap- snuggler. When the little one gets big over self. He lost himself. "To love and ped his face, while the young one stretchhave an understanding-no happier fate ed out flat and gave every sign of being like all other young, the mother watches

tried to be contented and faithful. He to his den, half supported by the little key is sure to get a had licking. became first citizen of his town in Oblo tigres; on one side and the fox terrior on -respected, prosperous. He was true to the other. The mother flow had scented er's apron strings as long as possible. his home ties; but he buried schishness some cell and was roaring terrifically. in that lost love. He lived to do only When her little one was put through the that he deemed duty. But "the world small door at the end of the cage the fox go wrong they harry to the mother for can only be reformed by restions, miser- terrior jumped in too, and it was a beau-And John Brown became tiful sight to we the mother lioness show her gratitude to the little dog for his attention to her burt body. Meanwhile the sider zets smart around them."-Chicago

is the country.

Another time, while this happy family government of the United States—his of animal kids was complete about the who spent most of his time playing with the cat cubs, had his foot hurt by a pony stepping on it. Nilsely set up a great velping and dopped on his side as if he and which has been commended to the had been shot. I thought Nibs was a good charitably disposed of these islands. The attle cube langed and carresped and combed this howling dog was a caution. looked at the dog's foot and saw nothing them, and those in the city have an op- stopover privileges accorded. serious was the matter and made believe as if in pair. Just as I expected, in five

> grab a rolling ball. "The mother elephant is soft on he it spells. Take the youngster owned by dia jumping to please his honor. It is strength"

minutes more they were going head over

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about time he took to the vegetable diet of the other elephants, but he won't and very effort to make him do so gets the old lady in a tantrum. He snuggles up under her and she wraps herself around him soothingly, as much as to say, "Don't play all day with a half dozen young fox mind that fellow. I'll attend to his case if he gets too fresh.' The little one has a witholn sight and sound, the mother tigress is as serene as a pet pig, but if she and when his head hits a fellow he is sure to keel over

"Generally elephant mothers are rather indifferent when their offspring get to be a few month, old and is able to run "Like the human mother, when night around. This new elephant mother, however is of a different brand, and if the little one is taken out of her sight she makes a fearful racket. The youngster is just as fond, and walls all the time he motherly. She had two young tigers, but is away from his mother's side. Eleone took cold and died. eBtween her and phants are fond of sugar beet, and the the spared one there was a remarkable other day for the first time the mother attachment. When the youngster got big elephant offered some of this to the httle enough to enjoy the usual menageric diet fellow, but he turned up his nose, or for his kind he was separated from his trunk, and would not touch it. Sugar I never saw an animal show beet is a delicacy with the bulky brutes, more grief than that mother. The poor but strange to say it is an acquired taste,

"When the little elephant was put in a cage at the railroad yards on the North "After the rugged youngster was taken | Side to take .. to the Coliseum, it got its forehead and trunk in trying to get ' through the bars to its mother, who dull, her neck shriveled, and her tail trudging on behind. It was the first time they had been separated, and it was a cause young elephants die quickly in this climate, and bomesickness with Chicago weather makes a bad mess for a beas

the home was the hospital. They planned to make \$1 do the work of \$1. And well den of the ligress and her pride, she put of the young wild animals. It will run under its mother's less and hide in fear when any stranger goes near it, until it John Brown's wives got up at five that the fellow who again took her cub is several weeks old. The young camel criment stamp; and no material is al-criment stamp; and no material is al-lowed to go into a navy ship unless it until night. They never had an operation senseless body.

from her would have to do it over her timidity wears off. The mother camel timidity wears off. The mother camel "Now, the lioness likes her little ones acts as if it knew the weakness of its

the and make friends with people quicker. . The mother has a disagreeable habit of a tenale strength of at least \$60,000 on the altar of home and that masterful The lioness is not so jentous of these at-Mains-inded th vry havist arma7128tHPa pounds, and hard steel of 75.600 pounds, man. John Brown, did the praying for tentions as the tigress. She will play with near her newly born, and she has a had her cubs and put up with a whole lot of bite for any daring person who triffer bother from them when in a drowsy mood with her overzealous care of her baby. She nurses her little one until it get "When the cubs are quite small she is quite big, and even then it is not good cranky about any one touching them and to separate them, for they grow into

"The kangaroe is a tender type of aniand turn into a bad tempered beast for all | mal nature, and carries its young in the time. For this reason she and her little peculiar pouch nature has provied, unones are left alone until the youngsters til the youngster fairly topples out from scrappy among themselves and trouble- mother bird, to get the little one into the ome to their parent. After the cubs reach | way of using its oddly-sized legs, is ; this growth and are taken away it does curious sight. She also drops strips of not seem in the least to bother the lioness vegetables into the little bundle's mouth looked after them until they are big tender hearted animal, so that it is no enough to shift for themselves, and there safe to take the young man from it until well grown, because grief gets away the begin to assert themselves they are in- plaster, and all the other monkeys in the foolish Hon cub try to climb a narrow up-right beam in this name. fand of onions, and young onions are a "The tiger cub did the trick easily, and delicary. At night time all the monkeys enough to notice things, and cut up a list,

> "Little monkeys hang on to their mothand eve natter they get independent and become lighting youngsters, and, if things protection and comfort. There is a strong family feeling among monkeys, which makes them hitch together when any out-Inter-Ocean.

A CHILDREN'S EXCHANGE

There is being revived in Beriin this spring a curious arrangement called 'The Exchange of Children," which was adopted by some charitable people inst year. promoters arrange for the temporary inportunity to enjoy a little country life. nistance.-St. James's Gazette.

what money it receives. Money obtained free on request by festering the gambling instinct in young. She will coddle the little one until young parish oners is something which every rector should refuse, and, while at new Maine developed a weakness the hu-love with the daughter of a slave holder, home to live in every Free man's heart reau of construction and repair has taken. The father lost his fortune and the girl for all eternity. What is better after all

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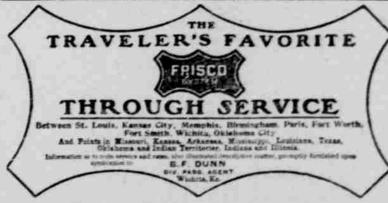
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